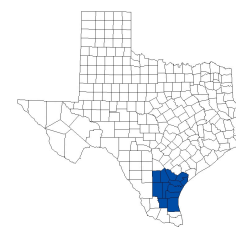


Texas Cardiovascular Health & Wellness Program

Texas Department of State Health Services



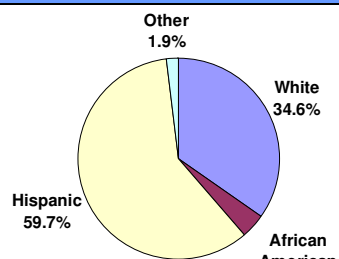
Stroke Facts

Texas Trauma Service Area (TSA) U

Updated July 2009

<http://www.dshs.state.tx.us/wellness/data.shtm>

Demography of TSA U in 2007 (Estimated Texas Population)



Age	Total	Male	Female	Percent
0-17	153,407	78,348	75,059	26.7
18-29	111,217	58,874	52,343	19.4
30-34	110,192	56,874	53,318	19.2
35-64	132,156	64,807	67,349	23.0
65+	66,958	28,888	38,070	11.7
Total	573,930	287,791	286,139	100.0

Prevalence¹ (%) of Stroke, Adults (18+ years), 2005 - 2008

Stroke Age-Adjusted Mortality Rates² per 100,000, 2001- 2006

	TSA U	Texas	TSA U	Texas	TSA U Age <65	TSA U Age 65+
Total	3.1	2.7	42.1	57.4	6.9	262.7
Male	2.6	2.3	41.9	53.8	6.9	250.1
Female	3.5	3.0	41.9	59.1	6.8	271.6
White	3.7	2.9	42.8	56.2	7.4	310.9
African American	*	4.3	60.1	85.2	*	331.2
Hispanic	2.5	1.9	40.7	47.4	6.8	241.6

Hospital Discharge Data³ for Stroke, Texas, 2007

	Total		Age < 65		Age 65+	
	TSA U	Texas	TSA U	Texas	TSA U	Texas
Number of Discharges	1,542	51,249	538	18,332	1,004	32,917
Ischemic	1,331	42,343	433	14,064	898	28,279
Hemorrhagic	211	8,906	21	4,268	106	4,638
Total Charges	\$59,860,404	\$2,111,291,385	\$24,254,989	\$927,437,750	\$35,605,415	\$1,183,853,635
Ischemic	\$48,057,121	\$1,467,565,641	\$17,189,745	\$532,312,708	\$30,867,377	\$935,252,932
Hemorrhagic	\$11,803,282	\$643,725,744	\$7,065,244	\$395,125,041	\$4,738,038	\$248,600,703

Texas EMS/Trauma Registry Data⁴ for TSA U by Time (Min), 2007

	TSA U	Texas
Response Time = (Time Call Received - Time EMS Arrived on Scene)	8.0	9.1
Scene Time = (Time EMS Arrived on Scene – Time EMS Departed Scene)	18.7	18.1
Transport Time = (Time EMS Departed Scene – Time EMS Arrived at Destination)	22.8	14.3
Delivery Time = (Time Call Received – Time EMS Arrived at Destination)	49.5	40.2

¹ Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for respondents 18 years and older who report that they have been diagnosed as having had a stroke. 2005, 2006, 2007, and 2008

² Texas Department of State Health Services Vital Statistics Unit. Mortality due to stroke (ICD-10 Code I60-I69). Age adjusted to the US 2000 census population. 2001-2006

³ Texas Health Care Information Council, Inpatient Hospital Discharge Public Use Data File, for persons all ages. Stroke (ICD-9 Code 430-432, 436-438, 433, 434). 2001-2006

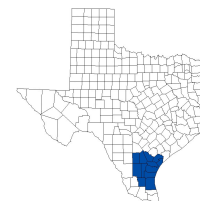
⁴ Texas EMS/Trauma Registry. The selection criteria are:

- Calls received during 2007
- Suspected illness types defined as stroke/CVA
- Medical-related calls only (i.e. calls exclusively related to trauma were excluded)
- 911 calls only (no inter-facility transfers)
- Texas residents only

* Unable to calculate due to small sample size (< 50 respondents).

Texas Cardiovascular Health & Wellness Program

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Stroke Facts

Texas Trauma Service Area (TSA) U

Stroke Risk Factors¹, Texas, 2005, 2006, 2007, 2008

Diabetes	TSA U	Texas	High Blood Cholesterol (2005 & 2007)	TSA U	Texas
Total	15.2	9.0	Total	32.3	36.4
Male	14.4	8.8	Male	29.6	37.0
Female	16.1	9.2	Female	34.3	35.8
White	8.6	8.0	White	34.3	38.2
African American	*	12.4	African American	*	32.1
Hispanic	18.9	10.0	Hispanic	27.6	33.4
Current Smoker	TSA U	Texas	High Blood Pressure (2005 & 2007)	TSA U	Texas
Total	21.6	18.9	Total	29.3	26.1
Male	27.8	22.0	Male	29.5	25.9
Female	15.1	16.0	Female	29.2	26.3
White	19.1	19.7	White	32.2	28.5
African American	*	22.6	African American	*	38.5
Hispanic	24.8	16.7	Hispanic	26.7	19.2
Obesity² (BMI≥30)	TSA U	Texas	No Leisure Time Physical Activity³	TSA U	Texas
Total	35.4	27.7	Total	33.3	28.2
Male	36.7	28.1	Male	30.2	25.4
Female	34.1	27.3	Female	36.5	30.8
White	31.0	24.7	White	27.3	23.6
African American	*	38.1	African American	*	32.8
Hispanic	40.7	31.8	Hispanic	39.9	35.5

Recognition of Stroke Symptoms¹, 2005

Stroke Symptoms	% of Respondents Recognizing Symptoms	
	TSA U	Texas
Sudden confusion or trouble speaking	76.5	76.3
Sudden numbness or weakness of face, arms, legs (especially on one side)	86.3	86.5
Sudden trouble seeing in one or both eyes	61.1	61.6
Sudden trouble walking, dizziness, or loss of balance	80.9	78.2
Severe headache with no known cause	62.6	57.4
Recognizes all stroke symptoms	11.0	17.0
Would call 911 as a first response if Heart Attack OR Stroke is suspected	81.7	85.1

¹ Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for respondents 18 years and older who report that they have been diagnosed with high blood pressure, but not during pregnancy; Respondents 18 years and older who report that they have been diagnosed with high blood cholesterol; Respondents 18 years and older who report that they have been diagnosed with diabetes. Does not include gestational diabetes. 2005, 2006, 2007 and 2008

² Obese > 95th Percentile for BMI by Age/Sex: <http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=C1&cat=6&quest=Q80&loc=XX&year=2007>

³ Physical activity recommendation- percentage of students who were physically active doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time for a total of at least 60 minutes per day on five or more of the 7 days before the survey
<http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=C1&cat=6&quest=Q80&loc=XX&year=2007>

* Unable to calculate due to small sample size (< 50 respondents).